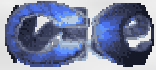




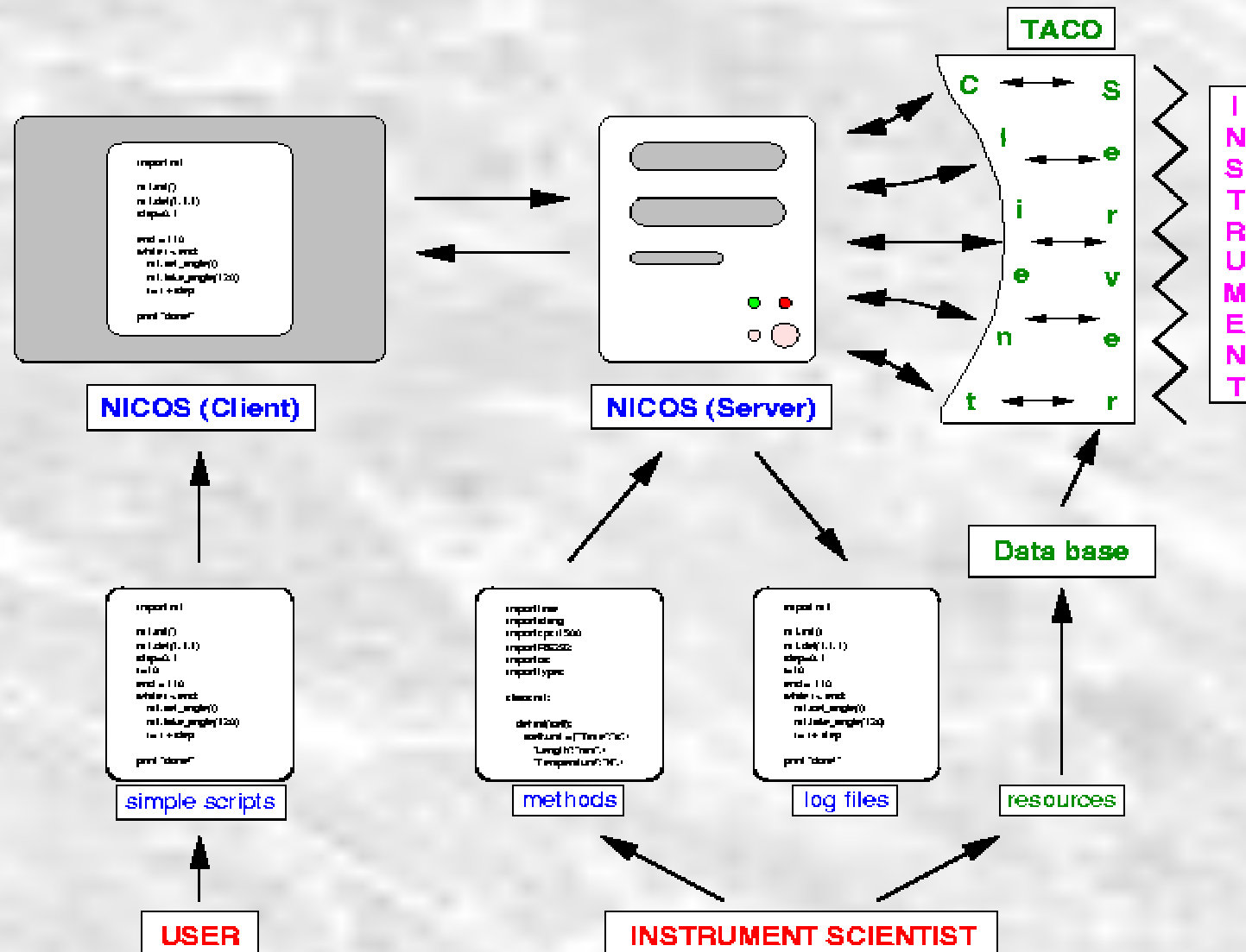
NICOS

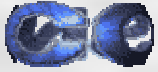
*the **N**etwork based **I**nstrument **C**ontrol **S**ystem*

<http://tacogate.frm2.tu-muenchen.de/nicos>



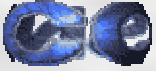
Motivation: *NICOS* and *TACO*





Selected Features:

- " user script language: **python**
- " **client-server** technology
- " password **authentication**
- " run time **updating of scripts**
- " run time **manipulation of script variables**
- " **multithreading** for user commands
- " **interruption/continuation** of scripts
- " script execution monitor
- " variables inspection monitor



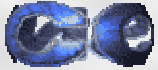
NICOS: Client-Server Concept

NICOS

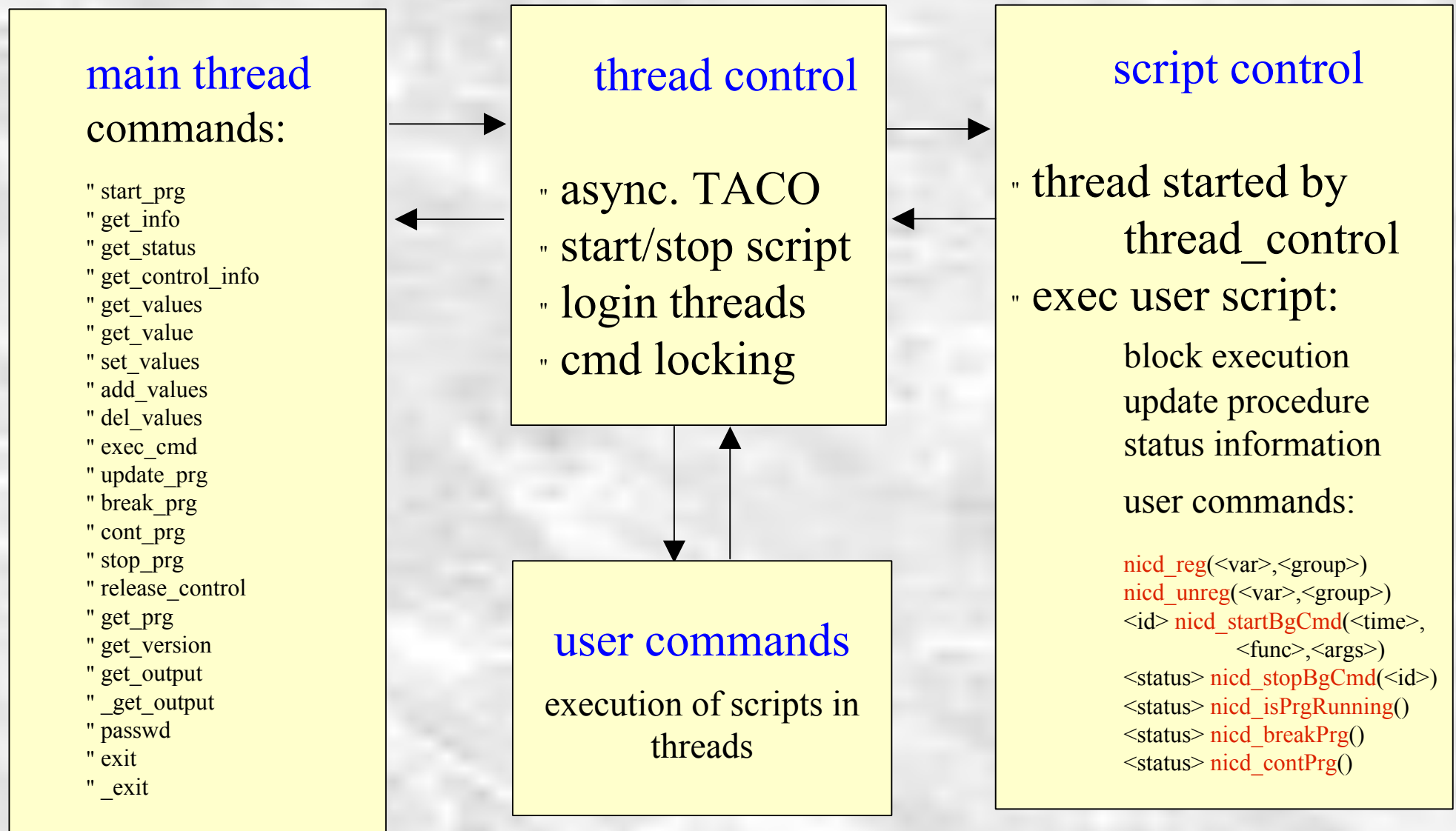
- " *Written in PyQt*
- " *authentication (login)*
- " *user editor (get, run, update)*
- " *method editor (for beam line scientists)*
- " *script control monitor*

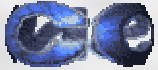
NICOSD

- " Written in Python
- " Python tcp stream server
- " multi-thread support
- " security: login, passwd, trusted hosts
- " multiple user login
- " user priorities
- " python configuration script



NICOSD: The NICOS Daemon (v.0.01.09)





NICOS: The Client (PyQt, v 0.01.03)

